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SEALED AIR CORPORATION

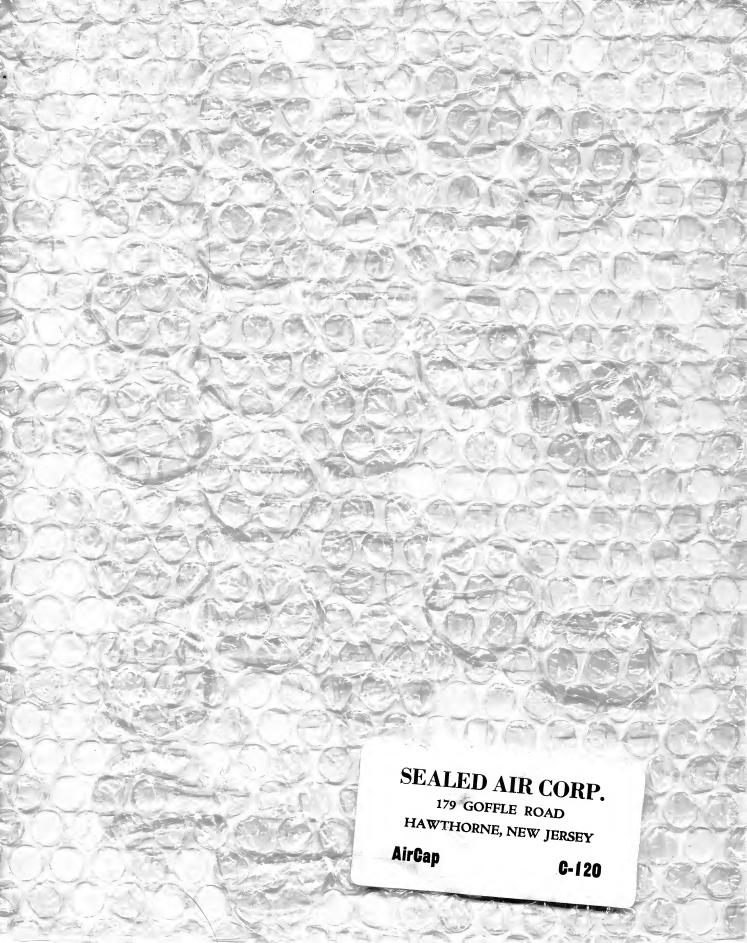
179 Goffle Road • Hawthorne, New Jersey 07506 • (201) 427-7534

T. NELSON
BOX 1546
POUGHKEEPSIE, N. Y. 12603

SYST. CONST.

HERE IS THE INFORMATION YOU REQUESTED

POSTMASTER: This parcel may be opened for postal inspection if necessary. Return postage guaranteed.



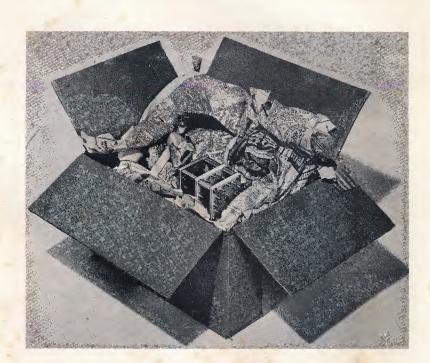


AirCap/abilities

SEALED AIR CORPORATION / 179 GOFFLE RD., HAWTHORNE, N. J. 07506 • (201) 427-7534







Cross-country shipping cost: Cross-country shipping cost:

29^c

89c

The Difference is AirCap® Cushioning!

AirCap cushioning is air bubbles sealed in film. It cushions instruments, glass, or anything breakable, 10 times better, yet costs $\frac{1}{2}$ as much to use as ordinary cushioning. Here's a comparison with used newsprint:

	AirCap	Used Newsprint			
Cost of cushioning	1 sq. ft \$.04	(negligible) \$.00			
Cost of carton	5"x3"x3"06	9"x7"x5"			
Labor @ \$1.80/hr.	.01	.07			
Postage	9 oz	1½ lbs72			
ν,	Total\$.29	Total\$.89			

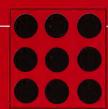
A guide to packaging with

The new packaging material that cushions with air. Reduces packaging costs, shipping weight, package size, breakage.



AirCap types C and D meet the requirements of Military Specification MIL-C-81013

Sealed Air Corporation



AirCap is a new packaging and cushioning material made of bubbles of air sealed between two sheets of Saran-coated polyethylene film.

AirCap®

AirCap is distinguished by the number of important packaging characteristics it embodies. Each cell, or bubble, is a miniature pneumatic cushion. There are different types of AirCap to meet your requirements. The shape of the cells, their size, and the thickness of the film determine the type of AirCap best suited for your packaging needs.

AirCap type code

The capital letter or letters in the type code designate the thickness of the AirCap type and

the shape of the cells. The numerical second half of the type code designates the thickness of the film. As for example:

C-120

C—identifies cylindrical cells, $\%_6$ " in height. 120—means that this AirCap is made from a 1 and 2 mil film

AirCap Type "C"—cells are Cylindrical, $\%_6$ " in height and %" in diameter.

lamination.

AirCap Type "TH"—cells are Truncated Hemispheres 1/4" in height and 1" in diameter.

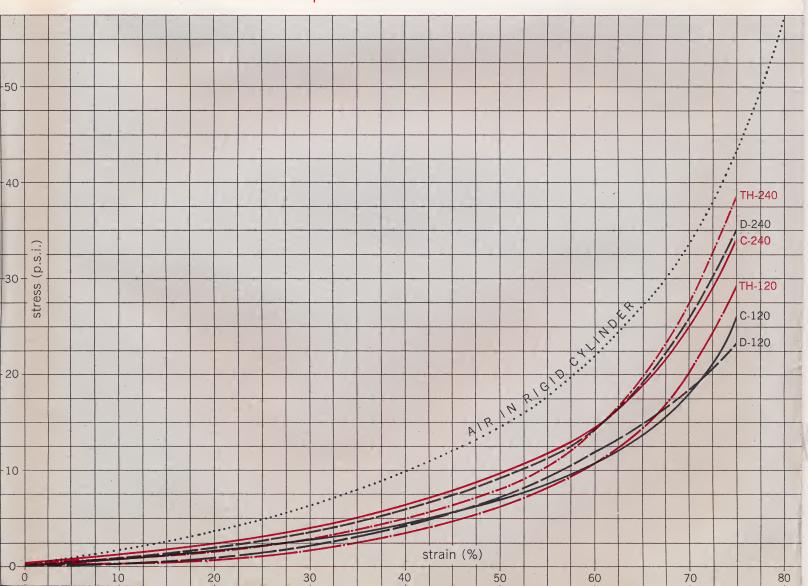
AirCap Type "D"—cells are Dome shaped, 1/2" in height and 11/4" in diameter.

AirCap Type "B" cells are Cylindrical, 1/8" in height and 3/8" in diameter. Most AirCap types are offered in two film gauge combinations. The numbers used in the code identify the combinations of film gauges. 120 indicates the lighter weight material, a lamination of one and two mil films. 240 indicates the heavier type, a lamination of two and four mil films.

Cushioning characteristics

The miniature pneumatic cells give AirCap an especially high capacity for shock absorption. Time and again it has been

Stress-strain curves for AirCap materials



proved that the amount of space needed for interior cushioning can be reduced while retaining the same level of shock protection for your product. AirCap does not crush or take a "set". It has more complete recovery than other cushioning materials. (See Chart I) When you package with AirCap, your product is tightly packaged when you pack it, and it is also tightly packaged when your customer receives itdespite rough handling in shipping. Less AirCap is required than of competitive materials and smaller boxes may be used -a dual saving.

Lightness

AirCap weighs from ½ to 2 pounds per cubic foot, a fraction of the weight of other cushioning materials. The use of AirCap will reduce your shipping costs by reducing the weight of your packages. These costs, though often overlooked, can be substantial, especially when shipping by air or parcel post.

Durability

AirCap has "staying power". The Saran-coated polyethylene, a unique material in itself, insures that under recommended loadings, the air will remain in the cells almost indefinitely (See Chart II). Package your products in AirCap, store them on your own or on your distributors' shelves and ship them to their ultimate destination without fear that the protective qualities of AirCap will be lost through repeated handling or the simple passage of time.

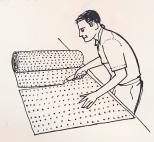
Dusting and lint-free properties

Another important advantage gained by virtue of being made from plastic film is AirCap's

cleanliness. Critical tolerances of cleanliness, which are becoming of greater importance in the electronic and aerospace industries, enhance the value of AirCap. With the advent of AirCap it is no longer necessary to package products in polyethylene bags for protection from dust-generating cushioning materials.

Flexibility

The flexibility of AirCap is one of its greatest assets. AirCap can be mashed, mauled and twisted. It can be squeezed into the corner container; it can be formed around the most irregular shape—and it will retain all of the shock absorbing qualities necessary to protect your product. Low temperature testing, conducted in conjunction with the preparation of Military standards, showed that AirCap retained its flexibility down to -20° F. Polyethylene itself retains its softness and flexible character down to -72° F.



Fabrication

AirCap can be cut into useful shapes by any sharp instrument.

Heat sealability

AirCap can be heat sealed to itself to form bags and pouches. It is successfully being run on standard high speed automatic pouch machines. NOTE: Higher

than normal sealing temperatures are required due to the Saran coating of AirCap.

Die cutting

AirCap in all types can be die cut cleanly on inexpensive steel rule dies.

Hot wire cutting

The thermoplastic nature of polyethylene allows it to be cut with a taut hot wire. Single or multiple wires can be used to cut various configurations.

Adhesives

AirCap may be adhered to itself, to wood, to metal, or to corrugated board. Almost any pressure sensitive adhesive is suitable with AirCap.

AirCap type selection

The proper choice of the type of AirCap for your application depends upon the weight and fragility of your product. The types of AirCap, with the numerical designation 120, are designed to carry loads with a static bearing pressure of up to 75 lbs. per square foot. Types with the designation 240 are intended for static loads of up to 150 lbs. per square foot. For short periods of time all types of AirCap are capable of supporting loads many times these recommended loadings. Selection of the proper bubble or cell height (C-3/6", TH-1/4" and D-1/2") is determined by the fragility of your product and the void you wish to fill. For products of the greatest fragility, AirCap of the D type should be used. AirCap type TH offers somewhat less shock protection than type D. AirCap type C is designed for packaging smaller and more intricate items than either TH or D types.

AirCap materials are "softer than air" as indicated by these stress-strain curves. Stress in pounds per square inch is plotted here in relation to strain (deflection) in percentage of the unloaded thickness produced. For example, deflection equal to 25% of the unloaded thickness of Type TH-120 is produced by a loading of 1.2 pounds per square inch. Deflection amounting to 50% of the unloaded thickness of Type C-240 is produced by a loading of 10 pounds per square inch.

Article	Grade used	Reason for use of AirCap	Packing materials replaced		
Retail gift items	C-120, TH-120, D-120	Freedom from lint, aesthetic appeal, lightness in weight, transparency.	Excelsior, shredded newsprint, cellulosic wadding.		
Adding machines	D-240	AirCap used as pad on bottom and top of box reduced material costs and breakage.	Rubberized hair.		
Gauges	C-120, D-120	Freedom from lint, lightness in weight, reduced breakage, reduced packaging costs.	Cellulosic wadding.		
Repaired cameras	C-120, D-120	Lint free, light weight, reduced packing costs through labor savings and smaller containers required, more effective cushioning, reduced breakage.	Excelsior, cellulosic wadding, polyethylene bags.		
Industrial ceramics		Extreme flexibility of AirCap, affording use of a single material for packaging many varied shapes, lightness in weight, effective cushioning, reduced packaging costs through labor savings.	Newspaper, cellulosic wadding, ex- celsior.		
Printed circuit boards	C-120	Freedom from lint, transparency, lightness in weight, more effective cushioning.	Polyethylene bags, cellulosic wadding, excelsior pads, corrugated diecuts.		
Dentures	C-120, TH-120	Freedom from lint, cleanliness, reduced loss of chipped dentures being returned for repair.	Cotton.		
Perfumes	C-120 (White)	Attractive sales package, reduced breakage.	(New product).		
Pharmaceut pills	ical C-120	Lightness in weight, clean, reduced powdering of pills, reduced packaging costs.	Cotton.		
Flowers	C-120, D-120	Inexpensive insulating medium, bubbles placed next to corrugated container in bulk shipment of flowers reduces spoilage of product.	Newsprint-filled insulating bags.		
Deciduou fruit	s C-120, D-120	Transparency, effective cushioning, aesthetic appeal.	Excelsior pads, dimpled chip board.		
Scientific glass apparatus	C-120, D-120	Extreme flexibility, transparency, reduced breakage.	Cellulosic wadding, excelsior, shred- ded newsprint.		

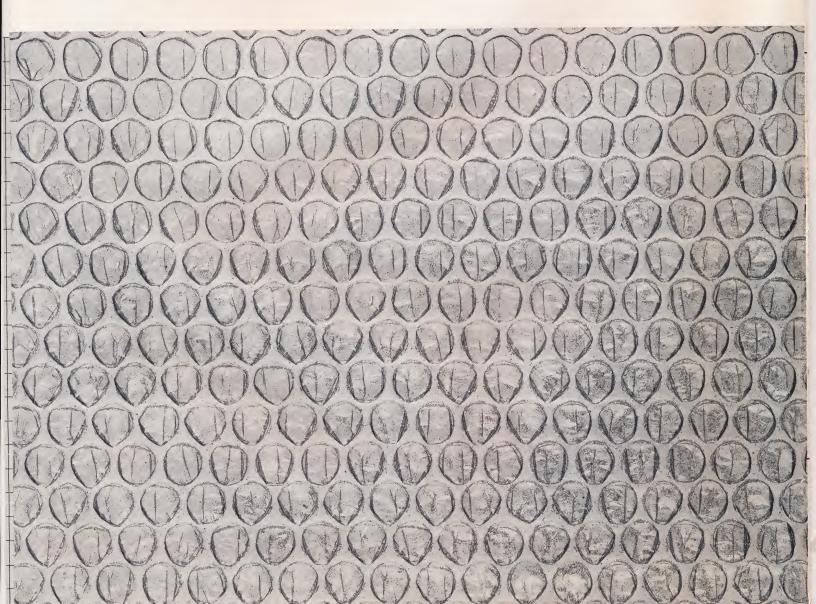
AirCap Applications

Adding Machines Art Objects Ball Bearings Barometers Bathroom Accessories Beach Pads Books Bubble Gum Cameras Candles Candy Capacitors Centrifuges Ceramics Chemicals China Clocks Color Transparencies **Computing Machines** Connectors Cosmetics

Dental Equipment Dept. Store Breakables Displays Drugs Electronic Components Eye Glasses False Teeth **Figurines** Fire Doors Flowers Fluorescent Lamps Fruit Gauges Gears Glass Apparatus Graphite **Grinding Wheels** Guidance Systems Inspection Table Tops Jewelry Jewelry Cases

Laboratory Equipment Lamps Lenses Meters Needles Optical Parts Perfumes Pewter Pills Plaques Porcelain Objects Potentiometers Precious Metals Precision Gears Prescription Glasses Printed Circuit Cards Radios Recorders Records Resistors Seeds

Semiconductors Shelf Liners Shower Doors Silverware Spare Parts Spark Plugs Surgical Instruments Switches Telescopes Thermometers Thermostatic Controls Throw Away Seat Pads Time Controls Tombstones Tools & Dies **Tote-box Liners** Transistors TV Lenses **Typewriters** Watches Wire



Thickness loss as a result of repeated compression

Chart	1
AirCap type code	Percent (loss)
B-110	5.21
C-120	5.24
C-240	2.29
TH-120	5.18
TH-240	2.15
D-120	5.97
D-240	2.98

The percentage of thickness loss indicated is determined by compressing samples of AirCap between two sheets of glass on a hydraulic press to 50% of the unloaded thickness of the samples. The difference between the original unloaded thickness and the thickness after compressing the samples is divided by the original unloaded thickness and multiplied by 100.

Creep of AirCap types under various loadings

Chart II					
	Туре	Time	Loading of S 0.1 psi Retention of orig	0.25 psi	
	B-110	1 week 2 months 7 months 1 year	95.4% 94.9 93.5 91.2	94.2% 93.8 90.7 87.8	
	C-120	1 week 2 months 7 months 1 year	95.1% 92.9 90.1 88.0	96.3% 92.7 87.3 83.8	
	TH-120	1 week 2 months 7 months 1 year	95.7% 95.1 93.8 92.6	95.0% 94.9 91.5 88.5	
	D-120	1 week 2 months	97.2% 96.7	96.9% 95.3	

These figures indicate that AirCap made of the lightest gauge films will offer effective cushioning over extended periods. AirCap in heavier film combinations (240) has even longer useful life.

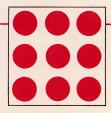
General Information

	B 110	120	240	120 T	H 240	120	D 240
Cell description (Shape) (Diameter) (Height)	Cylindrical 3/8" 1/8"	Cylindrical Truncated hemisphere 1" 1/4" 500 375 2000 1500		Dome 1½" ½"			
Standard roll description Lineal ft. per roll Square ft. in std. 48" wide roll	500 2000					250 1000	
Density Ibs./cu. ft.	1.152	1.024	2.048	0.768	1.536	0.504	0.768
pН	neutral						
Temperature limits Upper Lower	180°F. —72°F. non-abrasive none none excellent						
Abrasiveness							
Dusting							
Capillarity							
Fungus resistance							

Note: All technical data in this brochure has been supplied by an independent testing laboratory.

Sealed Air Corporation

179 Goffle Road/Hawthorne, New Jersey



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Gentlemen:

Thank you for your interest in AirCap®, the cushioning material that is revolutionizing protective packaging.

Enclosed is the material you requested. If you desire to evaluate AirCap C-120, our most popular material, we are happy to offer a sample roll 24" wide by 250 lineal feet, at \$20.00 per roll for trial purposes.

We look forward to being able to serve you, and to help solve your packaging problems. Write or call if we can be of further help.

Very truly yours,

SEALED AIR CORPORATION

Tohn D. Fife, Field Sales Manager

JDF:MV Encs.